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NOTICE OF ALLOWANCE AND FEE(S) DUE

23696 7590 12/13/2010 QUALCOMM INCORPORATED 5775 MOREHOUSE DR.

SAN DIEGO, CA 92121

EXAMINER

SMITH, MARCUS

ART UNIT PAPER NUMBER

DATE MAILED: 12/13/2010

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/693,429	10/23/2003	J. Rodney Walton	030417	2025	

TITLE OF INVENTION: MIMO SYSTEM WITH MULTIPLE SPATIAL MULTIPLEXING MODES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(8) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/14/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used to correspondence including a below or directed oth tions.	or tran ig the l ierwise	smitting the ISSU atent, advance or in Block 1, by (a	TE FEE and PUBLIC ders and notification i) specifying a new of	of m	ON FEE (if requi- naintenance fees w pondence address;	red). I rill be and/or	Blocks 1 through 5 st mailed to the current (b) indicating a sepa	nould be completed where correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I for any change of address)					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
QUALCOMM 5775 MOREHO SAN DIEGO, C.	INCORPORATE USE DR.	/2010 D			I ber	Cer	tificate	of Mailing or Trans	
									(Depositor's name)
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nonprovisional	NO		\$1510	\$300		\$0		\$1810	03/14/2011
EXAM	INER		ART UNIT	CLASS-SUBCLASS	\neg				
SMITH, N			2467	370-208000	_				
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach ND RESIDENCE DATZ ess an assignee is ident h in 37 CFR 3.11. Comp	nge of 6 " Indicased, Use	Correspondence tion form of a Customer E PRINTED ON T		p to nativ ingle or a attor I be p r typ ne pa	3 registered paten ely, e firm (having as a gent) and the name neys or agents. If o printed. e)	membes of u	er a 2	ocument has been filed for
Please check the appropri	iate assignee category or	catego	ies (will not be pr	inted on the patent):	۵	Individual 🚨 Co	rporati	on or other private gro	up entity Government
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	s SMALL ENTITY state	is. See 3	37 CFR 1.27.					TTY status. Sec 37 CI	
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if req records of the United Sta	uired) v tes Pate	rill not be accepted nt and Trademark	I from anyone other the Office.	an th	ne applicant; a regi	stered a	ittorney or agent; or th	e assignee or other party in
Authorized Signature						Date			
Typed or printed name						Registration N	o		
This collection of informan application. Confident submitting the completed this form and/or suggestit Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C tiality is governed by 35 I application form to the ons for reducing this but irginia 22313-1450. DC 13-1450.	FR 1.3 U.S.C. USPT rden, sh	11. The informatic 122 and 37 CFR 12. Time will vary ould be sent to the SEND FEES OR C	on is required to obtain 1.14. This collection i depending upon the i e Chief Information O COMPLETED FORM	or re s esti ndivi ffice S TC	etain a benefit by the imated to take 12 r idual case. Any co r, U.S. Patent and D'THIS ADDRESS	he publ ninutes mment Traden	ic which is to file (and to complete, includin s on the amount of tir hark Office, U.S. Depa O TO: Commissioner i	by the USPTO to process) g gathering, preparing, and ne you require to complete utment of Commerce, P.O. for Patents, P.O. Box 1450,

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QUALCOMM I	NCORPORATED	SMITH, MARCUS		
5775 MOREHOU		ART UNIT	PAPER NUMBER	
SAN DIEGO, CA	92121	2467		

DATE MAILED: 12/13/2010

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1183 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1183 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/693.429	WALTON ET AL.	
Notice of Allowability	Examiner	Art Unit	
	MARCUS R. SMITH	2467	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS nerewith (or previously mailed), a Notice of Allowance (PTOL-83) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject the	plication. If not included n will be mailed in due course. The	HIS itiative
 This communication is responsive to <u>RCEand an IDS_filed</u> 	1 on 10/26/10.		
 ∑ The allowed claim(s) is/are 35-39, 87-89, 40-41, 43-48, 92 renumbered as claims 1-44). 	-97, 61-63, 90, 64-66, 91, 67-68, 98	1-102, 70-71, and 103-107 (resp.	
 Acknowledgment is made of a claim for foreign priority ur a)	e been received. e been received in Application No		he
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements	3
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			F
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) I including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO	-948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the 0	Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			
Attachment(s)			
Notice of References Cited (PTO-892)	5. Notice of Informal F	**	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	 Interview Summary Paper No./Mail Da 		
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	7. Examiner's Amend		
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's Statem	ent of Reasons for Allowance	
o. Diological Material	9. Other		
	/Pankaj Kumar/		
	Supervisory Patent Fy	aminer Art I Init 2467	